

Abstract of the Disclosure

A convergence controlling apparatus and method, through which block scanning is performed to efficiently detect the output of an optical sensor before convergence control in a projection television. The apparatus includes a sensor provided at a predetermined position on the screen of the television for measuring the quantity of light sensed through the scanning of a predetermined video pattern; a pattern generator for generating a block pattern for scanning the surroundings of the sensor to determine a portion where the sensor is positioned and the video pattern for convergence control; and a convergence controller for controlling the convergence by controlling the scanning of the video pattern based on information on the position of the sensor, the information being detected using the block pattern generated by the pattern generator. Accordingly, the position of an optical sensor can be determined by the scanning of a block pattern before correcting a convergence using the scanning of a line pattern so that a lead time of the scanning of the line pattern can be minimized.